Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/05/2021 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124295	-1	2.58	124413	2.56
Blue	F	SSC	125000	122572	-2	3.62	123456	3.66
Blue	E	FITC	14203	13729	-4	2.99	299	16.01
Blue	D	PE	25703	24989	-3	2.63	541	11.17
Blue	B	PerCP-Cy5-5	42104	40954	-3	3.49	915	15.26
Blue	A	PE-Cy7	34646	34339	-1	4.82	487	30.34
Red	C	APC	49824	49038	-2	3.08	1506	11.51
Red	A	APC-Cy7	39773	39142	-2	3.26	731	11.85
Violet	B	V450	7447	7092	-5	3.78	394	12.72
Violet	A	V500	31193	29872	-5	3.63	678	9.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21948	2.95	554	-2	N/A	N/A	Pass
Blue	F	SSC	53417	3.16	516	4	N/A	N/A	Pass
Blue	E	FITC	56	51.89	488	2	0.0339	22	Pass
Blue	D	PE	106	40.97	489	4	0.3511	303	Pass
Blue	B	PerCP-Cy5-5	174	37.07	582	5	0.0176	38	Pass
Blue	A	PE-Cy7	112	64.86	627	7	0.0205	0	Pass
Red	C	APC	349	24.29	568	1	0.0275	111	Pass
Red	A	APC-Cy7	204	24.28	546	2	0.0061	509	Pass
Violet	B	V450	87	41.08	447	-2	0.0458	1441	Pass
Violet	A	V500	119	27.55	465	-2	0.0256	435	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.90	-31.57	1.06
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.89	15.99 - 23.99	N/A	N/A	29.84	30.17	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10002

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments